# Michigan Public Safety Broadband Regional Workshop

# Opening Presentation

# Introductions

# Region 8 Workshop Agenda

| 10:00 – 10:30am | Welcome and MiPSB Overview | Brad Stoddard |
|---|---|---|
| 10:30 – 11:00am | Region 8 Use Case | |
| 11:00 – 11:20am | Interactive Session 1: Regional Issues | Facilitated Discussion |
| 11:20- 11:35am | Break | |
| 11:35 – 11:40am | Pick Up Box Lunch | |
| 11:40 – 12:30pm | Interactive Session 1: Read-Out | Facilitated Discussion |
| 12:30- 1:00pm | Data Collection | Carroll Faulkner |
| 1:00 – 1:30pm | Interactive Session 2: Coverage Requirements | Facilitated Discussion |
| 1:30 – 1:45pm | Interactive Session 2: Read Out | Facilitated Discussion |
| 1:45 – 2:00pm | Break | |
| 2:00 – 2:20pm | State Plan Development | Brad Stoddard |
| 2:20 – 2:40pm | Interactive Session 3: Local Outreach & Education Plan | Facilitated Discussion |
| 2:40 – 2:50pm | Interactive Session 3: Read Out | Facilitated Discussion |
| 2:50 – 3:00pm | Next Steps & Wrap Up | Brad Stoddard |

# A Mobility Transformation

Last year, **mobile phones** overtook PCs as the most common web access device worldwide

**90 percent** of young people use smart devices **before getting out of bed in the morning**

# Mobility for Public Safety



*…is CRITICAL*

# The Internet of Things



CONNECT THE WORLD

30 Billion Devices Wirelessly
Connected by 2020
*(10+ devices for every individual)*

Wearables, Connected Cars and TV's
will equal the tablet market by 2018

# The Internet of Things for Public Safety

**Intergrated Display Glasses**
Visual display of critical status alerts

**Environmental Sensor**
Detection of hazardous materials

**Video Remote Speakers Microphone**
Capture and stream live video

**Biomonitoring**
Monitor officers' health and vitals

**Broadband Communications Devices**
Public safety LTE Broadband communications and mission-critical applications

**APX 700 Radio**
Interoperability, collaboration and always-on communications

**Gun Holster Sensor**
Gun unlock alert

# Public Safety Communications Interoperability

## MiPSCIB Board and Broadband Working Group



Governance

Governor

Public Safety Communications Interoperability Board

Public Safety Broadband Workgroup

Advisory Committees

| Business Advisory | Technical Advisory | User Advisory |

Grant Program

Single Point Of Contact

SLIGP Executive Leadership

SLIGP Program Team
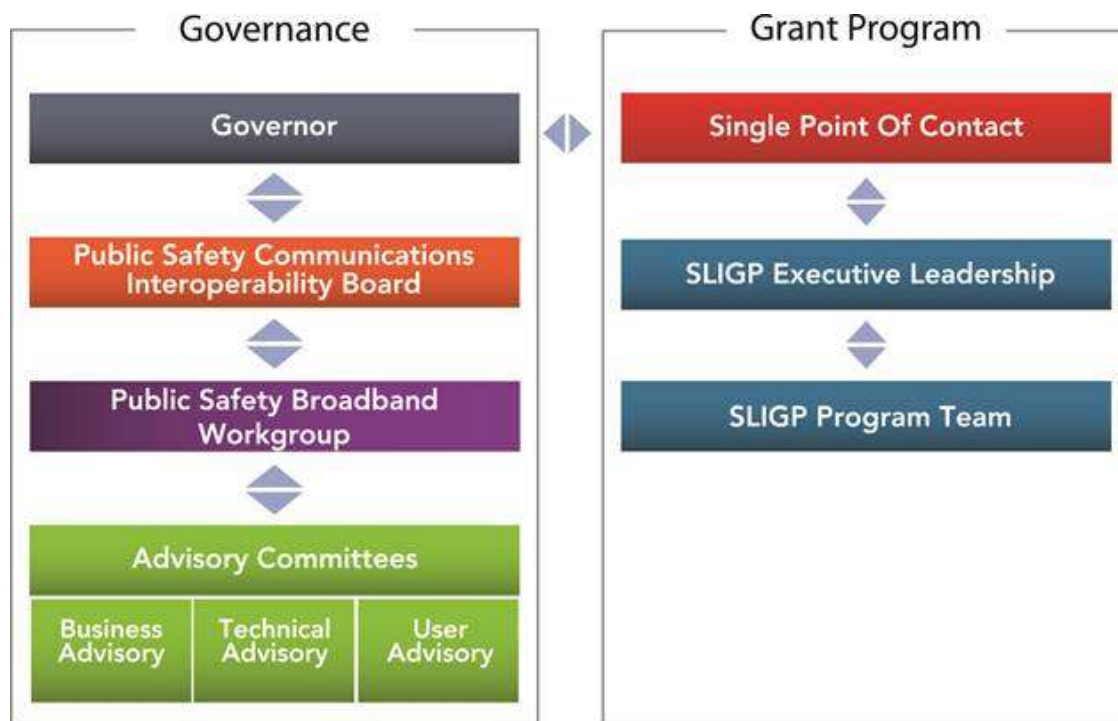
Col. Kristie Etue
Undersheriff Michelle LaJoye-Young
Sheriff Dale R. Gribler
Mr. Robert L. Marchand
Mr. Bryce A. Tracy
Chief Adam L. Carroll
Mr. Richard Miller
Chief Gary Hagler
Ms. Eileen Phifer
Mr. Mark Meijer
Dr. Jacqueline Scott
Mr. Eddie Washington
Mr. Jeffrey A. Friedland
Ms. Julie L. Secontine
MSG Jeromie J. Golab
Capt. Chris Kelenske
Mr. Bradley A. Stoddard

# What is meant by Opt-In / Opt-Out?



## OPT-IN

FirstNet Responsibility

- Construct the RAN within the state
- Operate the network from a business perspective
- Set and collect user fees

Agency Responsibility

- NOT mandated to adopt or use the network
- If using the network, must pay user fees and pay for devices

# What is meant by Opt-In / Opt-Out?

## OPT-OUT

❑ Michigan must build and operate the RAN

❑ Michigan must negotiate CLA with FirstNet to utilize FirstNet core

❑ Michigan must negotiate spectrum lease agreement with FirstNet

❑ A 180-day clock is activated

  ✔ Michigan must develop deployment plan to be approved by FCC and NTIA

  ✔ Michigan can still apply to NTIA for grant funding

  ✔ If the Michigan State Plan is not completed or approved within 180 days, then the State will automatically Opt-in

❑ Revenue generated by the State must go to FirstNet

❑ SLIGP funding cannot be used for any opt-out planning

# Michigan's Game Plan

## From unplanned emergencies...



| The Blackout | 1-96 Pile Up | Floods | Wildfires | Riots | Enbridge Oil Spill |

- Increased/Enhanced interoperability for first responders
- Shared Services and Consolidation.
- Savings across government by reducing:
  - Parallel infrastructure
  - Multiple disparate radios
  - Operating costs
  - Hardware and software costs
  - Maintenance costs

## ... to planned events



| MIS - NASCAR | All Star Game | Super Bowl | NCAA Tournament |

# Cyber Attacks – By the Numbers

## Each Year in Michigan State Government:

- 2.5 million web browser attacks
- 179.5 million HTTP-based attacks
- 79.5 million network scans
- 5.2 million intrusion attempts

  *2014 statistics*

**That is 1.7 million attempted attacks <u>every day</u>**
***YTD 2015 Statistics*

# 2016 Consultation Vision

1
- Expanded outreach and education with state/territory, tribal, local, and public safety entities

2
- Obtaining state and territory input to inform State Plans and network deployment policies, processes, and procedures

3
- Preparing key decision-makers for State Plan delivery and network deployment

# 2016 Expanded Outreach and Engagement

State Engagement Strategy will identify expanded customer base for aligned state/territory and FirstNet outreach.

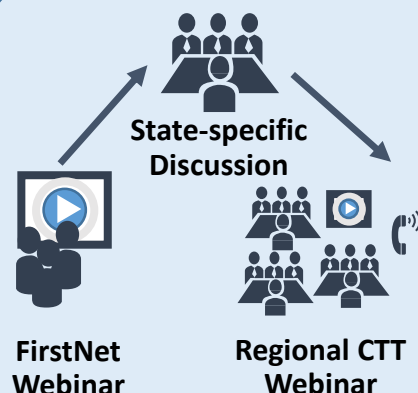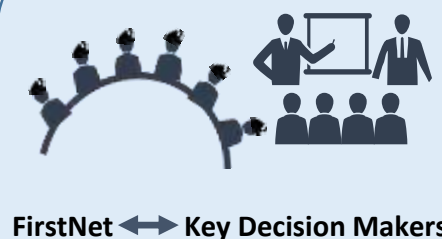| | | | | | |
|---|---|---|---|---|---|
| Emergency Medical Services | Metropolitan Leaders | Chief Information Officers | Attorneys General | Tribes | Emergency Management Directors |
| Governor's Staff | FirstNet Champions | Key Executives | Key Decision-Makers | Rural Communities | Future User Communities |
| State-Level Professional Associations | Local Public Safety | Chiefs of Staff | Cabinet Secretaries | County Supervisors | City Councils |
| Police Chiefs | Mayors | Fire Chiefs | Homeland Security Directors | Public Safety Directors | PSAPs |

# 2016 Consultation Elements



Regional Lead ←→ SPOC

SPOC
Kick-Off
Meeting

Regional Lead
↕
Governance Body

Governance
Body
Meeting

State-specific
Discussion

FirstNet
Webinar

Regional CTT
Webinar

Consultation
Task
Teams

FirstNet ←→ Key Decision Makers

Executive
Consultation
Meeting

EXPANDED NATIONAL OUTREACH

EXPANDED FEDERAL CONSULTATION

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Exercise No. 1:  PS Broadband Priority Issues

1. At your table, discuss the "*mobile data communications issues*" for your county/area.
2. Reach consensus on the ranking of the concerns ("10" is the highest priority issue and "1" is the lowest priority).
3. If your table has an important issue that is not on the list, rank the "other" field as that issue and then describe.
4. Describe any features of your area that present unique challenges for public safety.

## Issues Ranking
Common issues experienced by public safety responders relative to mobile data communications.
(10 = Highest priority; 1 = Lowest Priority)

- [ ] Commercial carriers in my region are limited or non-existent

- [ ] Poor coverage

- [ ] Monthly service cost

- [ ] Equipment costs

- [ ] Capacity / network congestion

- [ ] Customer Service

- [ ] Lack of data applications

- [ ] Network reliability

- [ ] Lack of data interoperability

- [ ] Other: _____

Are there other significant or unique issues regarding mobile data communications in your area?
(*Examples: Recreational areas that often involve search and rescue, utility restoration issues, border or bridge issues, high-security prisons, etc.*).